

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application: (AS ON AMENDED SHEET(S) ANNEXED TO IPER)

1. (Currently Amended) A high frequency filter of coaxial construction, comprising including at least one or more resonators (R) having the following features comprising:

an electrically conductive internal conductor configured as an internal conductive tube (1);

an electrically conductive external conductor (2);

an electrically conductive base (3) which electrically interconnects the internal conductor and the external conductor (2);

a cover (5) covering at least the high frequency filter with respect to the base (3) and having an inner side (5a) and outer side (5b), the inner side (5a) pointing toward a free end (1a) of the internal conductive tube (1a);

a dielectric layer (6) having a relative dielectric constant greater than 2 is arranged between the outer side (5b) of the cover (5) and the free end (1a) of the internal conductive tube (1);

the radial extent of the dielectric layer (6) substantially ~~covers~~ covering the cross section of the internal conductive tube (1) at the free end (1a) thereof;

wherein

the dielectric layer (6) is arranged on or fastened to the cover (5).

2. (Currently Amended) The high frequency filter as claimed in Claim 1, wherein the dielectric layer (6) is inserted in a recess in the inner side (5a) of the cover (5).

3. (Currently Amended) The high frequency filter as claimed in Claim 2, wherein the dielectric layer (6) is held in the recess by an interlocking fit, in particular by an edge (5'), projecting beyond the edge of the dielectric layer (6), on the inner side (5a) of the cover (5).

4. (Currently Amended) The high frequency filter as claimed in either Claim 2 or Claim 3, wherein the dielectric layer (6) is closed by the inner side (5a) of the cover (5).

5. (Currently Amended) The high frequency filter as claimed in any one of the preceding claims Claim 1, wherein the dielectric layer (6) is held on the inner side (5a) of the cover (5) by an adhesion means, in particular adhesive.

6. (Currently Amended) The high frequency filter as claimed in any one of the preceding claims Claim 1, wherein the relative dielectric constant of the dielectric layer (6) is  $\geq 5$ , preferably  $\geq 8$ , particularly preferably  $\geq 9$ .

7. (Currently Amended) The high frequency filter as claimed in any one of the preceding claims Claim 1, wherein the relative dielectric constant of the dielectric layer is  $\geq 40$ , preferably between 40 and 80, particularly preferably between 60 and 80.

8. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~ Claim 1, wherein the dielectric layer ~~(6)~~ comprises ceramic material, in particular aluminum oxide ceramic.

9. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~ Claim 1, wherein the surface area of the radial extent of the dielectric layer ~~(6)~~ is at least twice the surface area of the cross section of the internal conductive tube ~~(1)~~ at the free end ~~(1a)~~ thereof.

10. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~ Claim 1, wherein the cross section of the internal conductive tube ~~(1)~~ is substantially circular at the free end ~~(1a)~~ thereof.

11. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~ Claim 1, wherein the radial extent of the dielectric layer ~~(6)~~ is substantially circular.

12. (Currently Amended) The high frequency filter as claimed in Claims 10 ~~and 11~~, wherein the diameter ~~(d1)~~ of the radial extent of the dielectric layer ~~(6)~~ corresponds at least to the diameter ~~(d2)~~ of the cross section of the internal conductive tube ~~(1)~~ at the free end ~~(1a)~~ thereof.

13. (Currently Amended) The high frequency filter as claimed in Claim 12, wherein the diameter-(d1) of the radial extent of the dielectric layer-(6) is at least 1.5 times the diameter-(d2) of the cross section of the internal conductive tube-(1) at the free end thereof.

14. (Currently Amended) The high frequency filter as claimed in any one of Claims 11 to 13 Claim 11, wherein the external conductor (2) is an external conductive tube having a substantially circular cross section and the diameter-(d3) of the external conductive tube is at least twice the diameter of the radial extent of the dielectric layer-(6).

15. (Currently Amended) The high frequency filter as claimed in any one of the preceding claims Claim 1, wherein the high frequency filter comprises a plurality of resonators-(R), a single continuous, at least partially strip-like dielectric layer being provided for all of the resonators-(R).

16. (Currently Amended) The high frequency filter as claimed in any one of the preceding claims Claim 1, wherein the resonators-(R) are configured and coupled in such a way that a duplex switch is formed.

17. (Currently Amended) The high frequency filter as claimed in any one of Claims 1 to 16 Claim 1, wherein the resonators ~~(R)~~ are configured and coupled in such a way that as to provide a band-pass band filter or a band-stop filter is formed.

18. (New) The filter of claim 6 wherein the dielectric constant is  $\geq 9$ .

19. (New) The filter of claim 7 wherein the dielectric constant is between 60 and 80.

20. (New) The filter of claim 17 wherein the band filter comprises a band pass filter.